



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Andersen Corporation
100 Fourth Avenue
Bayport, MN 55003

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Arch Flexiframe" Wood Fixed Window

APPROVAL DOCUMENT: Drawing No. **DADE-12051**, titled "Unit Assembly, Impact Arch Flexiframe", sheets 1 through 3 of 3, prepared by manufacturer, dated 2/26/99, revised on 10/23/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 00-1011.09** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0919.13
Expiration Date: November 5, 2007
Approval Date: November 14, 2002
Page 1

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWING:

1. Manufacturer's die drawings and sections.
2. Drawing No. **DADE-12051**, titled "Unit Assembly, Impact Arch Flexiframe", Sheets 1 thru 3 of 3, dated 02/26/99, revised on 10-23/02, prepared by Andersen Corporation.

B. TESTS:

1. Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., test report No. **02-32062.01**, dated 05/05/00 with no revisions, signed and sealed by A. N. Reeves, P.E

Submitted under file No. 99-0604.13

2. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., test report No. **02-31053.01**, dated 02/08/99 with no revisions, signed and sealed by A. N. Reeves, P.E

C. CALCULATIONS:


1. Revised Installation Analysis Report prepared by Richard Boyette, project # 99-0607 sheets 1 to 6 of 6, dated 07/07/99, signed and sealed by R. Boyette PE.

Submitted under previous file (No. 99-0604.13)

2. Installation Analysis Report prepared by Richard Boyette, project # 99-0607 sheets 1 to 6 of 6, dated 07/07/99, signed and sealed by R. Boyette PE.

D. STATEMENTS:

1. Letter stating that the engineer is still practicing, dated on January 18, 2002, signed and sealed by R. Boyette, PE.
2. Laboratory Compliance Letter issued by Architectural Testing, Inc., dated 08/06/02, signed and sealed by Steven M. Urich, P.E.
3. Letter from Andersen Corporation, dated 8/13/02, stating that the product has not changed since it was originally approved.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0919.13

Expiration Date: November 5, 2007

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Andersen Corporation

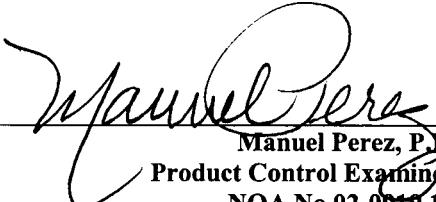
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
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E. MATERIAL CERTIFICATIONS:

1. Notice of Acceptance No. **98-0608.03** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/14/99, expiring on 01/14/02.
2. Notice of Acceptance No. **97-1224.07** issued to Solutia, Inc. for their "Polyvinyl Butyral Interlayer Saflex" dated 06/25/98, expiring on 01/09/00.

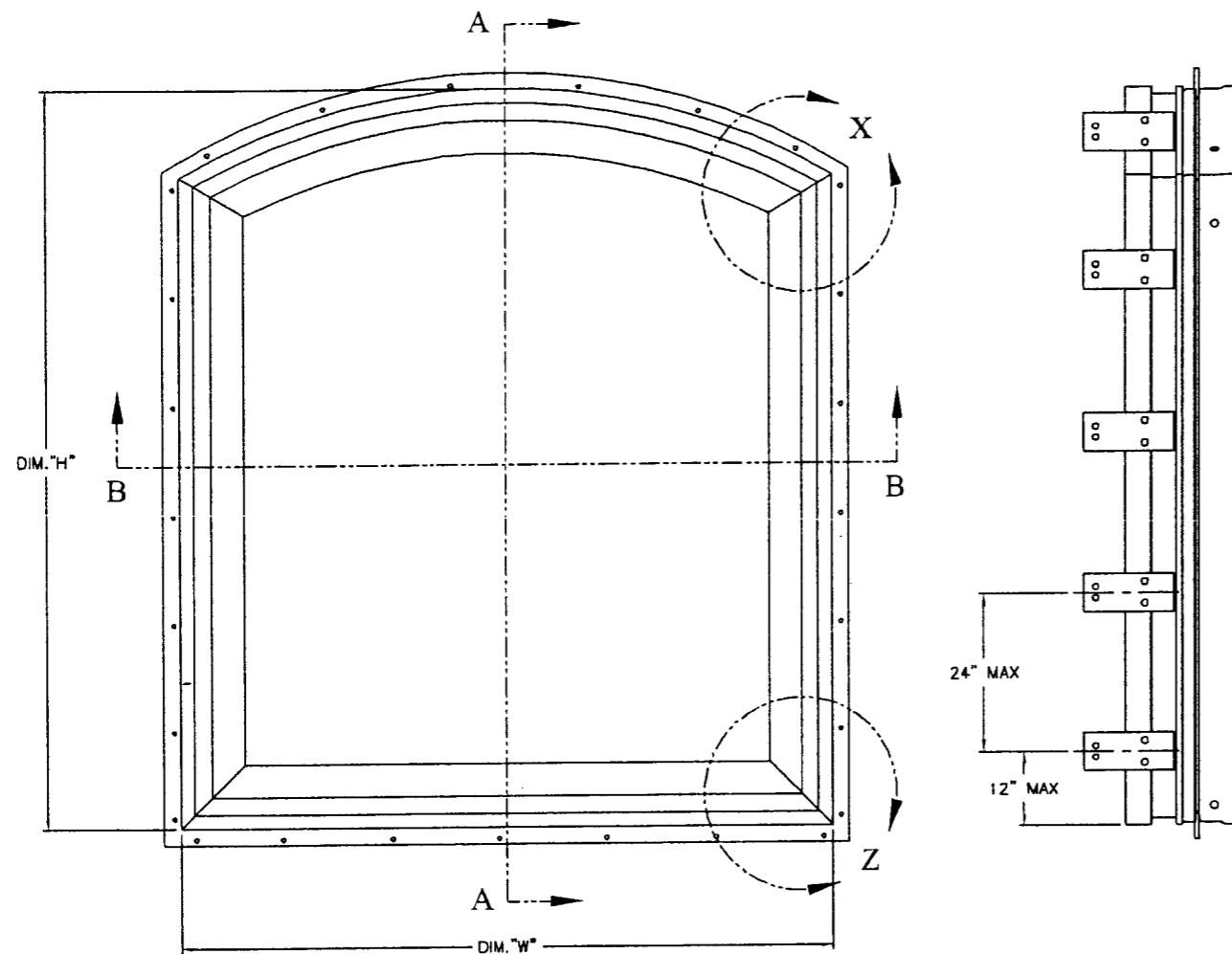
F. OTHER

1. Notice of Acceptance No. **00-1011.09**, issued to Andersen Corporation for their Arch Flexiframe Wood Fixed Window, approved on 2/15/01 and expiring on 11/5/02.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0919.13

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FRAME FASTENERS LIST		
A/R	CLIP, INSTALL WITH (4) #8 X 1-1/4" SHEETROCK SCREWS	SECURES CLIP TO UNIT AND TO OPENING
BEAD	BED GLAZING & BACK GLAZING	SECURES GLASS TO FRAME
BEAD	SILICONE SEALANT	SEALS MITERED JAMB CORNERS
BEAD	SILICONE SEALANT	FILLET BEAD GLASS TO FRAME COVER
A/R	NAILS, 1-1/2" X 16 GA 8" O.C	FASTENS GLASS STOPS TO FRAME
4	STAPLES, 3/8" X 1 1/2"	FASTENS ARCH FRAME COVER TO FRAME
BEAD	GLUE	FASTENS SILL FRAME COVER TO FRAME
8	(2) SCREWS, #8 X 5/8" /CORNER	FASTENS CORNERLOCKS TO FRAME
12	#6 X 2" SCREW	FASTENS FRAME CORNERS
QTY.	DESCRIPTION	LOCATION

ANDERSEN MANUFACTURES CUSTOM ARCH WINDOW SIZES UP TO A MAX OF 30 SQ.FT.
TO DETERMINE THE SQUARE FOOTAGE USE DIM."W" X DIM."H".

AFCW13		40.578		35.828		
AFCW12	28.375	28.765	23.625	24.015		
AFCW11		16.641		11.891		
AFCW106		10.641		5.891		
AFC18		99.375		94.625		
AFC16		75.125		70.375		
AFC155		68.062		63.312		
AFC15		63.125		58.375	+67/-71	+67/-71
AFC145	24.125	56.062	19.375	51.312		
AFC14		51.250		46.500		
AFC135		44.062		39.312		
AFC13		39.188		34.438		
AFC12		27.375		22.625		
AFC11		15.250		10.500		
AFC106		9.250		4.500		
AFFW803		48.546		43.796	+67/-68	+56/-56
AFFW802	95.125	36.734	90.375	31.984		
AFFW801		24.609		19.859		
AFFW8006		18.609		13.859		
AFFW6045		62.250		57.500		
AFFW604		57.438		52.688		
AFFW6035	71.250	50.250	66.500	45.500		
AFFW603		45.375		40.625		
AFFW602		33.562		28.812		
AFFW601		21.438		16.688	+67/-71	+67/-71
AFFW6006		15.438		10.688		
AFFW505		67.703		62.953		
AFFW5045		60.640		55.890		
AFFW504		55.828		51.078		
AFFW5035	59.250	48.640	54.500	43.890		
AFFW503		43.765		39.015		
AFFW502		31.953		27.203		
AFFW501		19.828		15.078		
AFFW5006		13.828		9.078		
SIZE DES	UNIT WIDTH	UNIT HEIGHT	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	TYPE 'A' GLASS	TYPE 'B' GLASS

AFCW26		78.938		74.188	+64/-64	+67/-71
AFCW255		71.875		67.125		
AFCW25		66.938		62.188		
AFCW245		59.875		55.125		
AFCW24		55.062		50.312		
AFCW235	56.500	47.875	51.750	43.125		
AFCW23		43.000		38.250		
AFCW22		31.188		26.438		
AFCW21		19.062		14.312		
AFCW206		13.062		8.312		
AFC245		59.250		54.500		
AFC24		54.438		49.688		
AFC235		47.250		42.500		
AFC23		42.375		37.625		
AFC22	46.000	30.562	43.250	25.812		
AFC21		18.438		13.688		
AFC206		12.438		7.688		
AFCP306		76.688		71.938	+67/-71	+67/-71
AFCP3055		69.625		64.875		
AFCP305		64.688		59.938		
AFCP3045		57.625		52.875		
AFCP304	35.938	52.812	31.188	48.062		
AFCP3035		45.625		40.875		
AFCP303		40.750		36.000		
AFCP302		28.938		24.188		
AFCP301		16.812		12.062		
AFCP3006		10.812		6.062		
AFCW18		100.765		96.015		
AFCW16		76.515		71.765		
AFCW155		69.453		64.703		
AFCW15	28.375	64.515	23.625	59.765		
AFCW145		57.453		52.703		
AFCW14		52.640		47.890		
AFCW135		45.453		40.703		
SIZE DES	UNIT WIDTH	UNIT HEIGHT	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	TYPE 'A' GLASS	TYPE 'B' GLASS

NOTES:

- INSTALLATION METHODS:
WOOD BUCK: INSTALLATION FLANGES ARE APPLIED. UNIT IS SECURED TO OPENING WITH INSTALLATION CLIPS. CLIPS ARE LOCATED A MAXIMUM OF 12" FROM CORNERS AND 24" BETWEEN CLIPS ON CENTER. CLIPS ARE FASTENED WITH (4) #8 X 1-1/4" WOOD SCREWS. A MINIMUM OF 1 CLIP PER SIDE IS REQUIRED. THE PROVIDED CLIP SPACING REQUIREMENTS ASSURE ADEQUATE INSTALLATION FOR MAXIMUM DP PERFORMANCE.

MASONARY: TAPCON SPACING AND LOCATION TO BE THE SAME AS WOOD SCREW SPACING AND LOCATION.
- GLAZING SPECIFICATIONS:
HEAT STRENGTHENED: THE UNITS UTILIZE 3/8" (.391") THICK LAMINATED GLASS FABRICATED & COMPOSED OF TWO NOMINAL 5/32" HEAT-STRENGTHENED SHEETS AND A .090" GRAY OR CLEAR INNER LAYER BY SOLUTIA OR DUPONT.

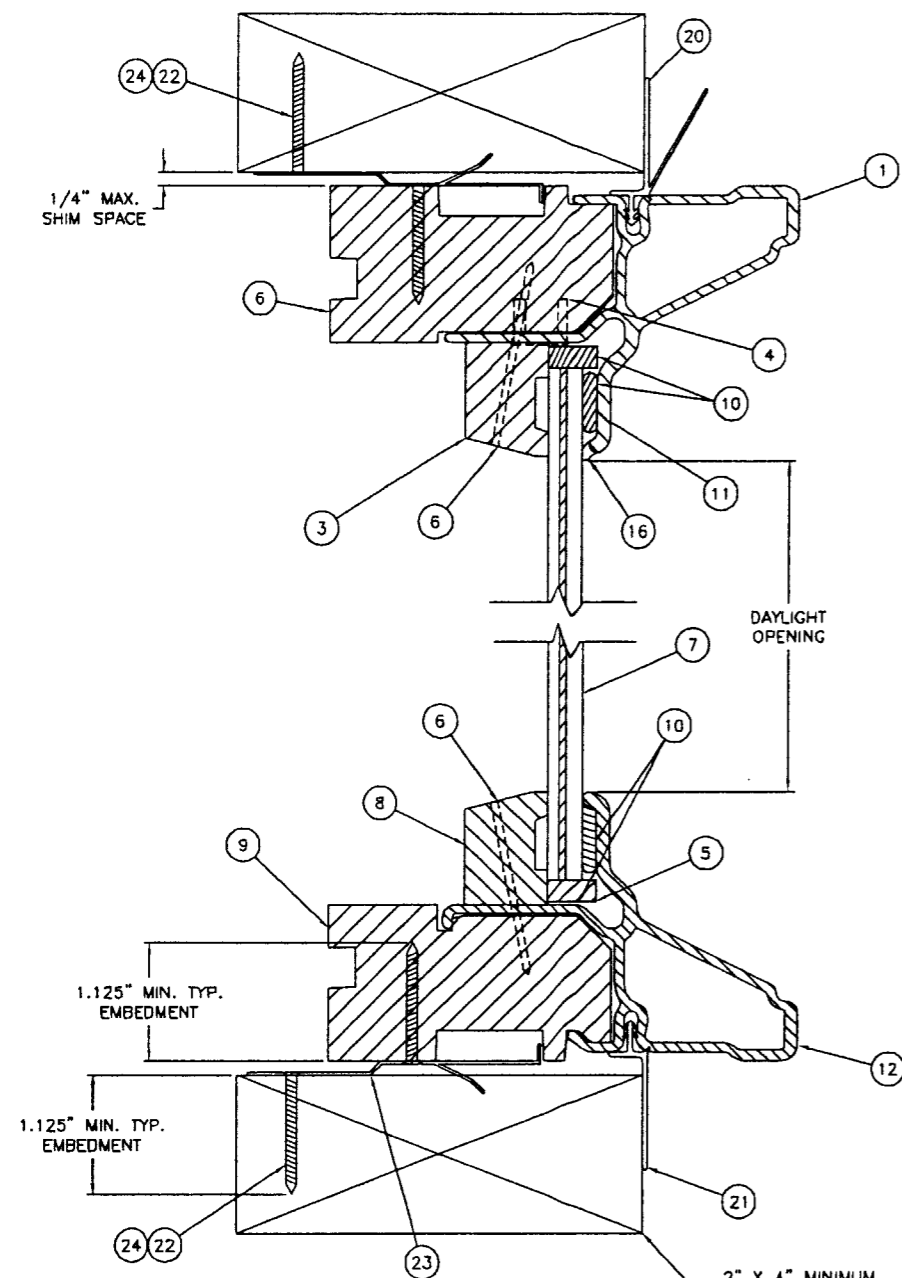
ANNEALED: THE UNITS UTILIZE 17/32" (.532") NOMINAL THICK LAMINATED GLASS FABRICATED & COMPOSED OF TWO NOMINAL 1/4" ANNEALED SHEETS WITH A .090" GRAY OR CLEAR PVB INNER LAYER BY SOLUTIA OR DUPONT.

GLAZING METHOD: GLASS IS SET FROM THE INTERIOR AGAINST THE SILICONE BED GLAZING AND BACK GLAZING. WOOD STOPS ARE POSITIONED AT THE INTERIOR AND SECURED WITH 1-1/2" LONG 16 GA. NAILS SPACED 8" O.C.. A SILICONE FILLET BEAD IS APPLIED ON THE EXTERIOR OF THE ARCH HEAD JAMBS. SILICONE BY DOW CORNING DC983-2 OR DC9-1350.
- FOR STANDARD SIZE DP RATINGS SEE CHART. STRUCTURAL DESIGN PRESSURE RATINGS FOR CUSTOM SIZE UNITS WITH TYPE 'A' GLASS = +67/-71 PSF. AREA OF WINDOW CAN NOT EXCEED 27 SF. STRUCTURAL DESIGN PRESSURE RATINGS FOR CUSTOM SIZE UNITS WITH TYPE 'B' GLASS = +67/-71 PSF. AREA OF WINDOW CANNOT EXCEED 25 SF.
- FRAME CONSTRUCTION:
FRAME MEMBERS CONSIST OF MOLDED PINE. THE JAMBS & SILL CONTAIN A REINFORCED FIBERGLASS CLADDING THAT IS SNAPPED & GLUED TO THE WOOD FRAME MEMBERS. THE ARCHED HEAD CONTAINS STRETCH FORMED ALUMINUM THAT IS GLUED & STAPLED AT FOUR POINTS ALONG THE ARCH. THE FRAME CORNERS WERE MITERED, SEALED WITH SILICONE, & SECURED THROUGH THE WOODM WITH THREE 2" LONG FLATHEAD SCREWS PER CORNER. INJECTION MOLDED PLASTIC CORNER KEYS ARE POSITIONED AT EACH CORNER, SECURING THE EXTERIOR CLADDING. THE UPPER FRAME CORNERS CONTAIN ADJUSTABLE CORNER KEYS & THE LOWER FRAME CORNER KEYS ARE ONE-PIECE NON ADJUSTING. TWO 5/8" STAINLESS SCREWS PER CORNER SECURE THE CLADDING & THE CORNER KEYS.
- GLASS BITE = .750".
- SPACING OF CLIPS IS BASED ON A MAXIMUM ALLOWABLE LOAD OF 311 lbs/CLIP WITH (4) #8 X 1-1/2" WOOD SCREWS AND 1-1/4" MIN. PENETRATION INTO S.Y.P.

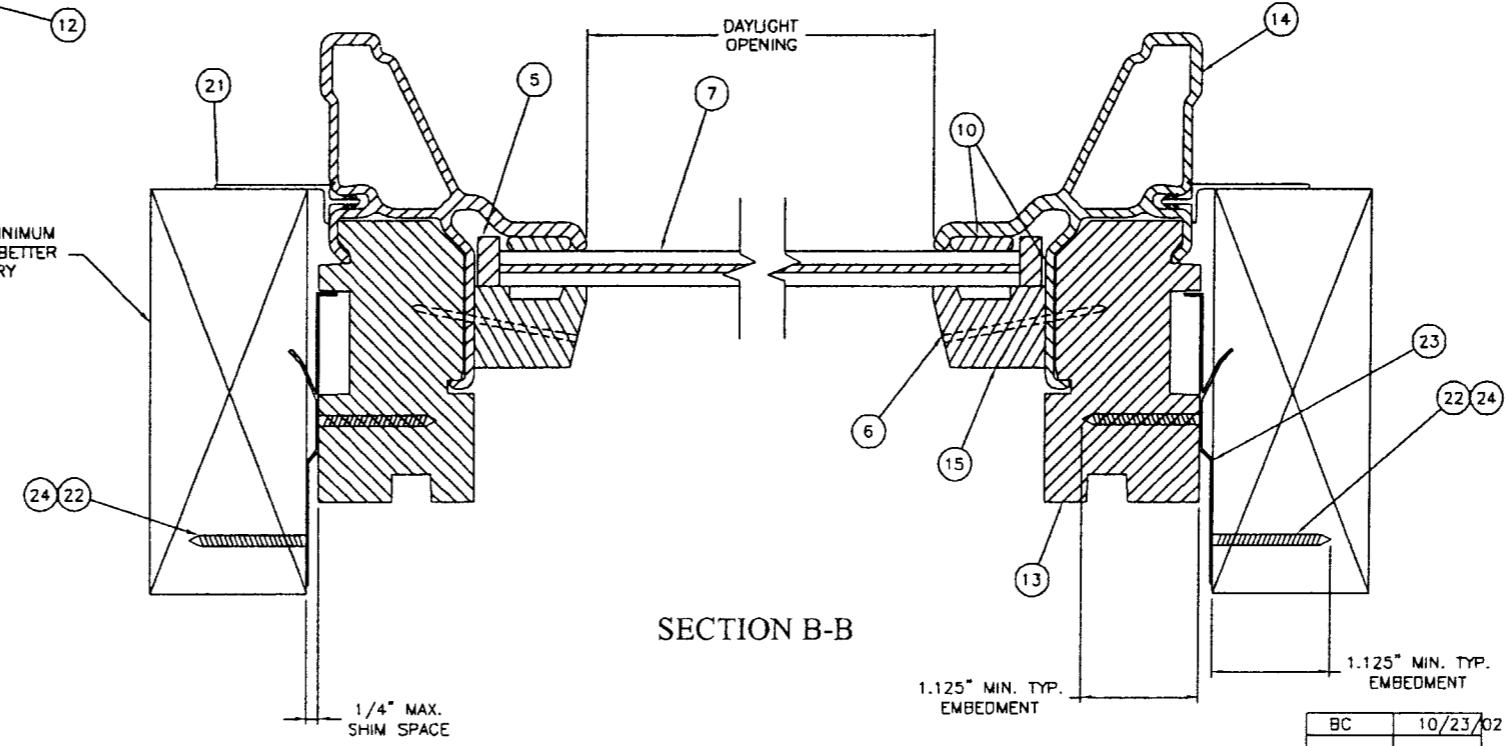
Approved as complying with the
Florida Building Code
Date NOV. 14, 2002
NOA# 02-0919.13
Miami Dade Product Control
Division
By Manuel Perez

TITLE	
UNIT ASSEMBLY, IMPACT ARCH FLEXIFRAME	
Andersen Corporation Boyport, Minnesota 55003	
THESE DRAWINGS ARE PROVIDED AS A SERVICE BY ANDERSEN CORPORATION FOR THE BENEFIT OF ITS CUSTOMERS. FINAL RESPONSIBILITY FOR ACCURACY OF DESIGN, FINAL SPECIFICATIONS, DRAWINGS AND FOR THE ACTUAL INSTALLATION SUGGESTED BY THESE DRAWINGS LIES WITH THE ARCHITECT, ENGINEER AND/OR CONTRACTOR.	
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APPROVE/DATE 2-26-99	DRAWING NUMBER DADE-12051
SHT. 1 OF 3	

BC	10/23/02
REV	DATE



SECTION A-A



SECTION B-B

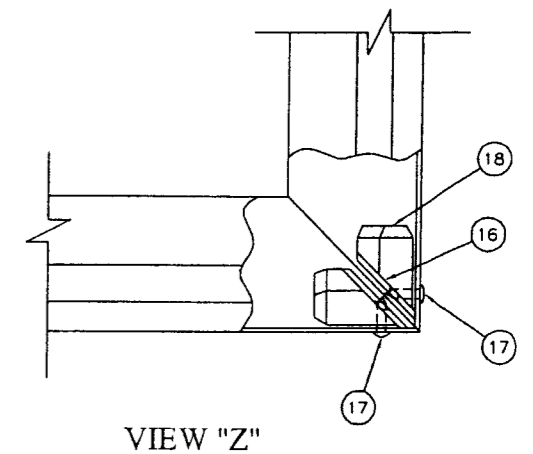
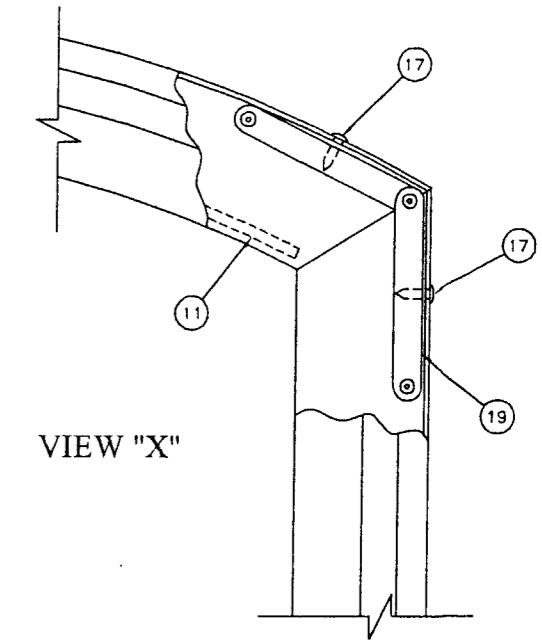
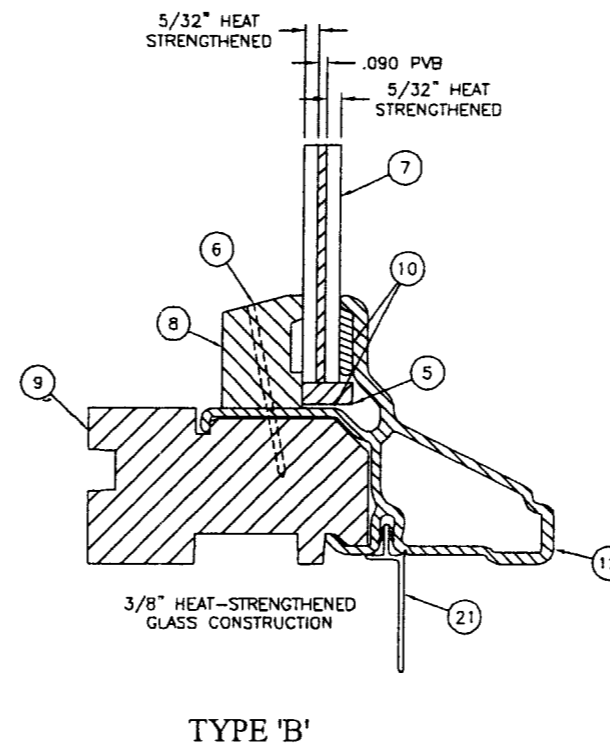
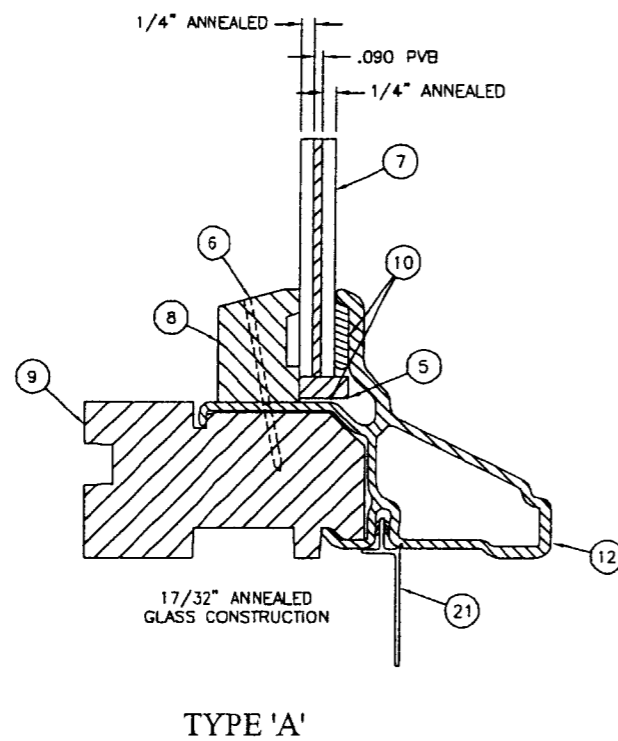
24	1/4" DIAMETER TAPCON	-	STEEL	-	-
23	CUP, INSTALLATION	3270217	STEEL	-	-
22	SHEETROCK SCREWS, 1-1/4"	3621074	STEEL	-	-
21	FLANGE, SIDE AND SILL	24136	VINYL	1.644	0.430
20	FLANGE, HEAD	11080	VINYL	1.644	0.430
19	CORNERLOCK, ADJUSTABLE	11027	PLASTIC	3.750	0.771
18	CORNERLOCK - 90°	11029	PLASTIC	1.750	1.750
17	SCREW, #8 X 5/8"	3621000	STAINLESS STEEL	-	-
16	SEALANT, SILICONE FILLET	MDS0034	SILICONE	-	-
15	STOP, SIDE GLASS	12015	WOOD	1.000	0.719
14	COVER, SIDE FRAME	11024	PULTRUDED	2.390	3.145
13	JAMB, SIDE	11023	WOOD	1.381	2.500
12	COVER, SILL FRAME	11024	PULTRUDED	2.390	3.145
11	SPACER, GLASS LATERAL	11084	FOAM	0.125	0.250
10	SEALANT, SILICONE	MDS0012/42	SILICONE	-	-
9	JAMB, SILL	11023	WOOD	1.381	2.500
8	STOP, SILL & SIDE GLASS	12015	WOOD	1.000	0.719
7	GLASS, LAMINATED CLEAR/GRAY	04172/04173	-	-	-
6	NAIL, 1-1/2" X 16 GA.	4220149	STEEL	-	-
5	SPACER, GLASS	20065	VINYL	1.000	0.425
4	STAPLE, 3/8" X 1/2"	4220180	STEEL	-	-
3	STOP, HEAD ARCH GLASS	12013	WOOD	1.000	0.719
2	JAMB, HEAD ARCH	29013	WOOD	1.391	2.531
1	COVER, HEAD ARCH	12001	ALUMINUM	2.359	1.859
ITEM NO.	DESCRIPTION	DRAWING	MATERIAL	HEIGHT	WIDTH

DRAWING REFERENCE LIST

Approved as complying with the
Florida Building Code
Date NOV. 14, 2002
NOAH 02-0519.13
Miami Dade Product Control
Division
By Manuel Perez

TITLE UNIT ASSEMBLY, IMPACT ARCH FLEXIFRAME	
Andersen Corporation Bayport, Minnesota 55003	
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APPROVE/DATE 2-26-99	DRAWING NUMBER DADE-12051
SHT. 2 OF 3	

BC	10/23/02
REV	DATE



Approved as complying with the
Florida Building Code
Date NOV. 14, 2002
NOA# 02-0919.13
Miami Dade Product Control
Division
By [Signature]

BC	10/23/02
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UNIT ASSEMBLY, IMPACT ARCH FLEXIFRAME	
Andersen Corporation Bayport, Minnesota 55003	
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SHT. 3 OF 3	